

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D013024S.M
 Title : SW846 8260
 Last Update : Wed Jan 31 00:23:33 2024
 Response Via : Initial Calibration

Calibration Files

5 =VD078270.D 10 =VD078271.D 20 =VD078272.D 50 =VD078273.D 100 =VD078274.D 150 =VD078275.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.688	0.736	0.694	0.540	0.455	0.515	0.605	19.12
3) P	Chloromethane	1.159	1.192	1.166	0.987	0.822	0.914	1.040	14.85
4) C	Vinyl Chloride	1.445	1.552	1.511	1.338	1.119	1.267	1.372	11.91#
5) T	Bromomethane	0.942	0.906	0.920	0.740	0.642	0.834	0.831	14.24
6) T	Chloroethane	0.999	1.098	1.041	0.883	0.772	0.892	0.948	12.65
7) T	Trichlorofluor...	1.226	1.350	1.250	1.119	0.939	1.087	1.162	12.44
8) T	Diethyl Ether	0.374	0.346	0.351	0.332	0.309	0.349	0.344	6.28
9) T	1,1,2-Trichlor...	0.817	0.800	0.757	0.658	0.578	0.667	0.713	13.13
10) T	Methyl Iodide	0.533	0.622	0.699	0.687	0.607	0.742	0.648	11.63
11) T	Tert butyl alc...	0.044	0.043	0.042	0.035	0.034	0.039	0.039	10.56
12) CM	1,1-Dichloroet...	0.750	0.764	0.697	0.661	0.579	0.676	0.688	9.71#
13) T	Acrolein	0.069	0.051	0.054	0.042	0.047	0.046	0.051	18.42
14) T	Allyl chloride	0.927	0.952	0.962	0.894	0.799	0.908	0.907	6.49
15) T	Acrylonitrile	0.167	0.152	0.155	0.148	0.134	0.154	0.152	7.09
16) T	Acetone	0.198	0.181	0.181	0.149	0.128	0.144	0.164	16.53
17) T	Carbon Disulfide	2.466	2.693	2.491	2.214	1.914	2.155	2.322	12.07
18) T	Methyl Acetate	0.294	0.309	0.323	0.369	0.320	0.364	0.330	9.18
19) T	Methyl tert-bu...	1.398	1.386	1.493	1.460	1.318	1.529	1.431	5.43
20) T	Methylene Chlo...	1.108	1.005	0.872	0.761	0.667	0.746	0.860	19.64
21) T	trans-1,2-Dich...	0.809	0.828	0.828	0.770	0.669	0.762	0.778	7.75
22) T	Diisopropyl ether	1.798	2.030	2.084	1.967	1.737	1.963	1.930	6.99
23) T	Vinyl Acetate	1.154	1.164	1.263	1.173	1.075	1.235	1.177	5.61
24) P	1,1-Dichloroet...	1.426	1.478	1.395	1.296	1.130	1.291	1.336	9.36
25) T	2-Butanone	0.224	0.207	0.231	0.195	0.177	0.203	0.206	9.55
26) T	2,2-Dichloropr...	1.141	1.165	1.133	1.075	0.928	1.104	1.091	7.85
27) T	cis-1,2-Dichlo...	0.872	0.942	0.874	0.855	0.752	0.877	0.862	7.15
28) T	Bromochloromet...	0.537	0.437	0.459	0.482	0.475	0.470	0.476	7.00
29) T	Tetrahydrofuran	0.110	0.108	0.116	0.112	0.101	0.114	0.110	4.76
30) C	Chloroform	1.449	1.480	1.440	1.348	1.155	1.323	1.366	8.79#
31) T	Cyclohexane	1.364	1.265	1.205	1.107	0.939	1.076	1.159	12.98
32) T	1,1,1-Trichlor...	1.250	1.284	1.188	1.160	1.010	1.171	1.177	8.07
33) S	1,2-Dichloroet...	0.693	0.619	0.587	0.607	0.610	0.597	0.619	6.12
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.377	0.367	0.334	0.351	0.349	0.358	0.356	4.19
36) T	1,1-Dichloropr...	0.566	0.632	0.629	0.588	0.507	0.620	0.590	8.16
37) T	Ethyl Acetate	0.251	0.225	0.244	0.211	0.199	0.234	0.227	8.70
38) T	Carbon Tetrach...	0.566	0.654	0.598	0.568	0.493	0.604	0.580	9.23
39) T	Methylcyclohexane	0.649	0.744	0.715	0.698	0.620	0.761	0.698	7.82
40) TM	Benzene	1.673	1.885	1.803	1.705	1.483	1.786	1.722	8.08
41) T	Methacrylonitrile	0.122	0.117	0.136	0.128	0.105	0.125	0.122	8.71
42) TM	1,2-Dichloroet...	0.475	0.470	0.470	0.431	0.381	0.453	0.447	8.05
43) T	Isopropyl Acetate	0.394	0.394	0.421	0.414	0.374	0.447	0.407	6.32
44) TM	Trichloroethene	0.422	0.448	0.441	0.415	0.368	0.443	0.423	7.07
45) C	1,2-Dichloropr...	0.409	0.444	0.464	0.418	0.361	0.432	0.421	8.39#
46) T	Dibromomethane	0.241	0.246	0.241	0.230	0.203	0.240	0.234	6.70
47) T	Bromodichlorom...	0.600	0.594	0.585	0.579	0.497	0.593	0.575	6.76
48) T	Methyl methacr...	0.202	0.179	0.186	0.199	0.184	0.219	0.195	7.62
49) T	1,4-Dioxane	0.002	0.003	0.003	0.003	0.002	0.003	0.003	9.00
50) S	Toluene-d8	1.259	1.360	1.247	1.396	1.392	1.432	1.348	5.70
51) T	4-Methyl-2-Pen...	0.212	0.210	0.231	0.224	0.204	0.240	0.220	6.28
52) CM	Toluene	0.947	1.091	1.077	1.070	0.939	1.143	1.045	7.93#
53) T	t-1,3-Dichloro...	0.510	0.539	0.542	0.540	0.490	0.601	0.537	7.00
54) T	cis-1,3-Dichlo...	0.595	0.640	0.660	0.639	0.583	0.697	0.636	6.61
55) T	1,1,2-Trichlor...	0.280	0.307	0.327	0.313	0.278	0.324	0.305	7.00
56) T	Ethyl methacry...	0.287	0.313	0.371	0.369	0.332	0.404	0.346	12.43

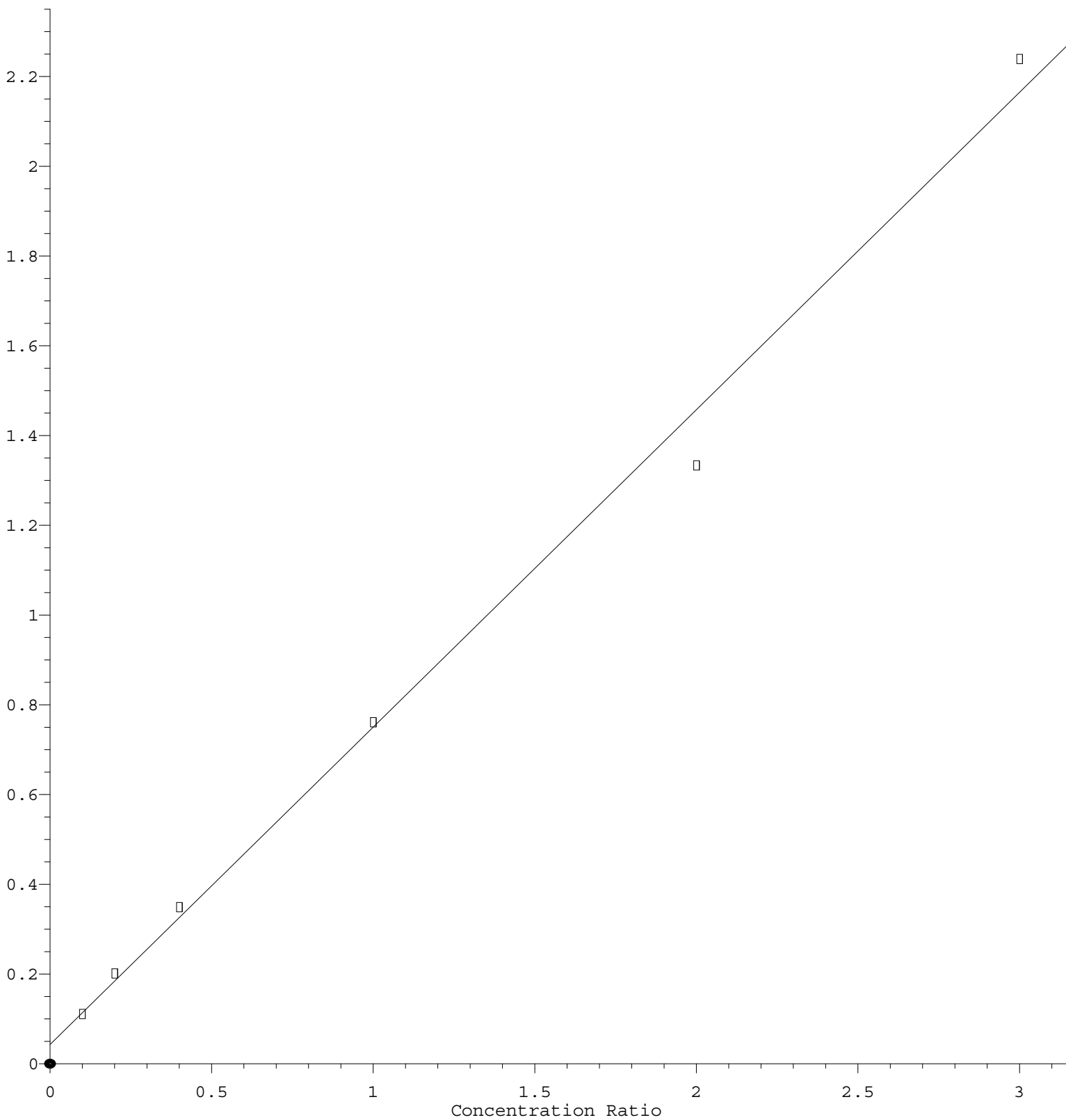
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57)	T	1,3-Dichloropr...	0.497	0.546	0.555	0.522	0.476	0.558	0.526	6.41
58)	T	2-Chloroethyl ...	0.140	0.129	0.141	0.167	0.184	0.182	0.157	14.98
59)	T	2-Hexanone	0.159	0.160	0.184	0.164	0.150	0.178	0.166	7.71
60)	T	Dibromochlorom...	0.329	0.361	0.371	0.356	0.319	0.387	0.354	7.27
61)	T	1,2-Dibromoethane	0.282	0.290	0.300	0.284	0.265	0.307	0.288	5.16
62)	S	4-Bromofluorob...	0.386	0.408	0.364	0.412	0.421	0.430	0.404	6.04
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.346	0.365	0.357	0.353	0.299	0.373	0.349	7.48
65)	PM	Chlorobenzene	1.268	1.202	1.221	1.214	1.029	1.245	1.196	7.13
66)	T	1,1,1,2-Tetrac...	0.434	0.428	0.429	0.427	0.370	0.468	0.426	7.39
67)	C	Ethyl Benzene	1.943	2.165	2.210	2.265	1.961	2.456	2.167	8.94#
68)	T	m/p-Xylenes	0.759	0.815	0.853	0.871	0.759	0.944	0.834	8.56
69)	T	o-Xylene	0.652	0.758	0.778	0.818	0.701	0.890	0.766	10.98
70)	T	Styrene	1.073	1.308	1.323	1.401	1.220	1.525	1.308	11.79
71)	P	Bromoform	0.191	0.211	0.222	0.213	0.191	0.230	0.210	7.58
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.834	4.464	4.441	4.391	3.690	4.564	4.230	8.75
74)	T	N-amyl acetate	0.779	0.871	0.989	0.880	0.785	0.945	0.875	9.60
75)	P	1,1,2,2-Tetrac...	0.845	0.910	0.869	0.817	0.665	0.796	0.817	10.34
76)	T	1,2,3-Trichlor...	0.567	0.574	0.556	0.452	0.461	0.525	0.523	10.33
77)	T	Bromobenzene	0.923	0.998	0.988	0.930	0.791	0.955	0.931	8.05
78)	T	n-propylbenzene	4.769	5.503	5.565	5.543	4.609	5.629	5.270	8.62
79)	T	2-Chlorotoluene	2.720	3.000	2.945	2.930	2.403	2.927	2.821	8.02
80)	T	1,3,5-Trimethy...	3.003	3.573	3.600	3.640	3.053	3.780	3.442	9.55
81)	T	trans-1,4-Dich...	0.262	0.269	0.275	0.273	0.225	0.273	0.263	7.26
82)	T	4-Chlorotoluene	2.888	3.279	3.124	3.072	2.552	3.130	3.007	8.52
83)	T	tert-Butylbenzene	2.574	3.003	3.095	3.044	2.629	3.274	2.937	9.39
84)	T	1,2,4-Trimethy...	3.113	3.459	3.586	3.695	3.147	3.892	3.482	8.84
85)	T	sec-Butylbenzene	4.213	4.862	4.855	4.742	4.031	4.949	4.609	8.40
86)	T	p-Isopropyltol...	3.164	3.838	3.942	3.916	3.438	4.350	3.775	11.04
87)	T	1,3-Dichlorobe...	1.754	2.037	1.989	2.000	1.712	2.112	1.934	8.39
88)	T	1,4-Dichlorobe...	1.873	2.063	2.015	1.945	1.623	1.962	1.914	8.17
89)	T	n-Butylbenzene	3.342	3.814	3.815	3.775	3.288	4.037	3.678	8.07
90)	T	Hexachloroethane	0.729	0.811	0.792	0.769	0.641	0.782	0.754	8.21
91)	T	1,2-Dichlorobe...	1.644	1.772	1.690	1.674	1.430	1.719	1.655	7.16
92)	T	1,2-Dibromo-3-...	0.128	0.108	0.126	0.113	0.097	0.114	0.115	10.12
93)	T	1,2,4-Trichlor...	0.882	0.973	0.964	0.969	0.876	1.078	0.957	7.70
94)	T	Hexachlorobuta...	0.444	0.508	0.475	0.478	0.400	0.509	0.469	8.81
95)	T	Naphthalene	1.704	1.745	1.918	2.009	1.818	2.256	1.908	10.69
96)	T	1,2,3-Trichlor...	0.807	0.830	0.849	0.868	0.772	0.931	0.843	6.50

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 7.073\text{e-}001 * \text{Amt} + 4.257\text{e-}002$$

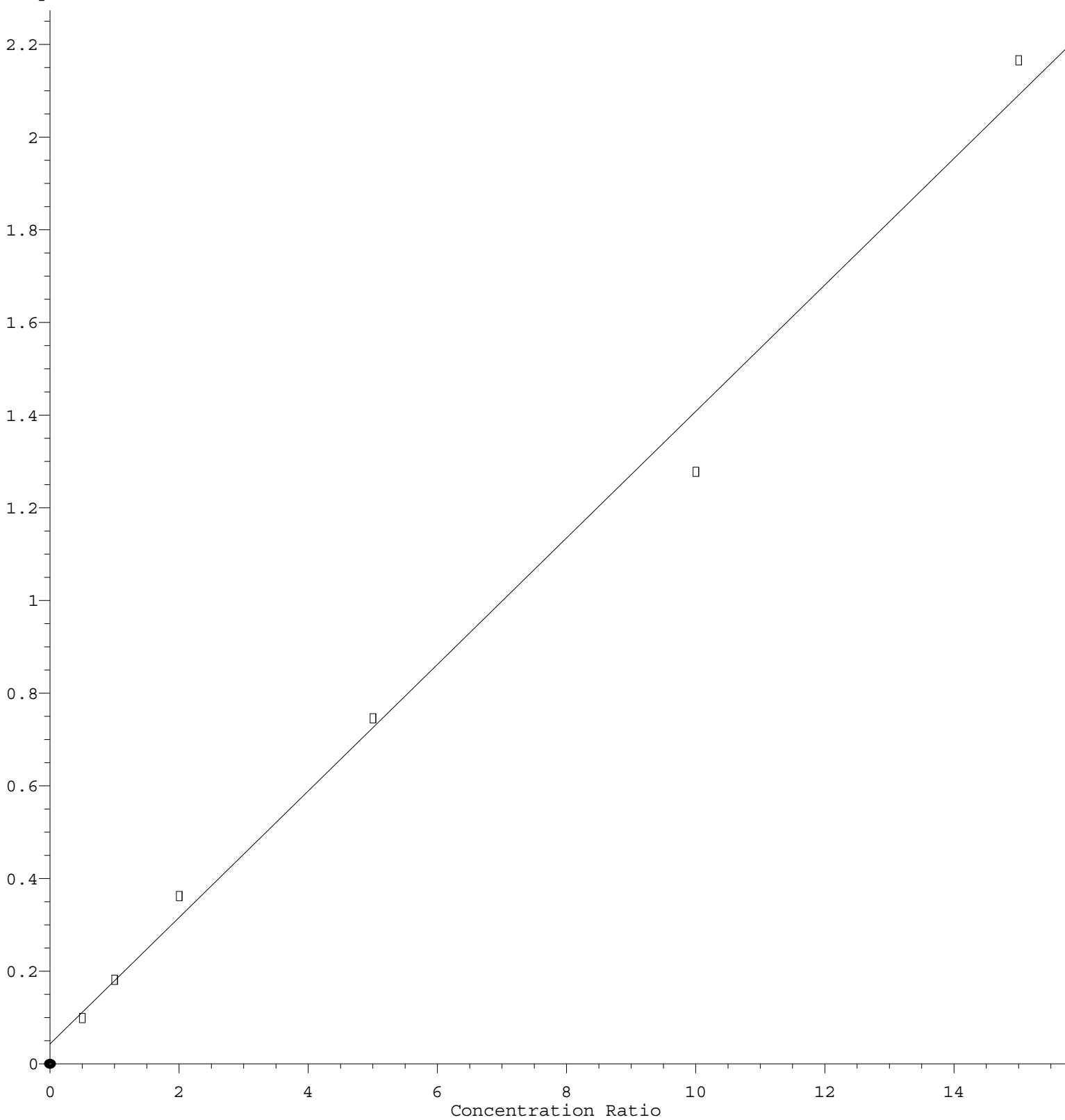
Coef of Det (r^2) = 0.993558 Curve Fit: Linear

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Acetone

Response Ratio



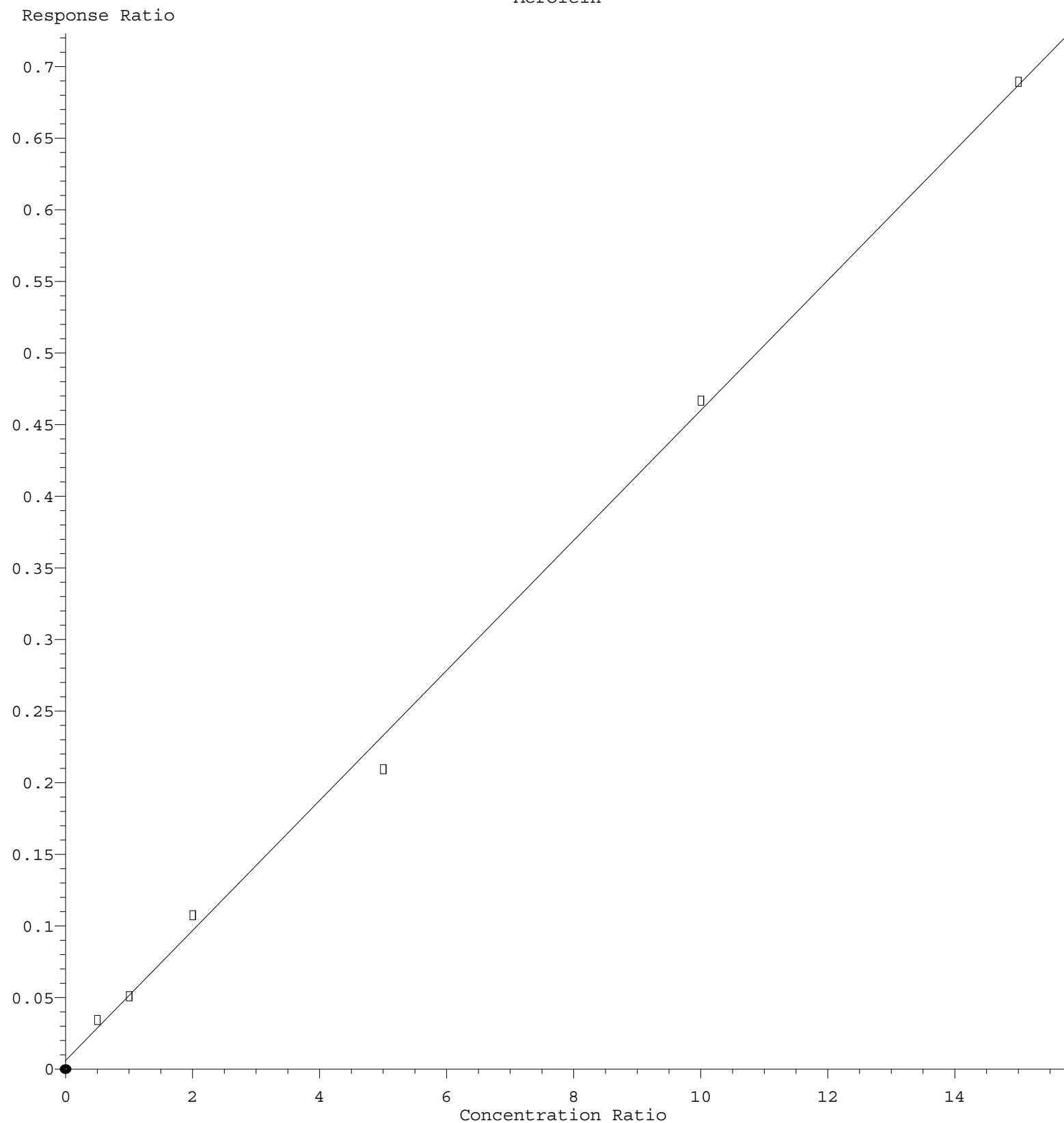
$$\text{Response} = 1.365\text{e-}001 * \text{Amt} + 4.272\text{e-}002$$

Coef of Det (r^2) = 0.992002 Curve Fit: Linear

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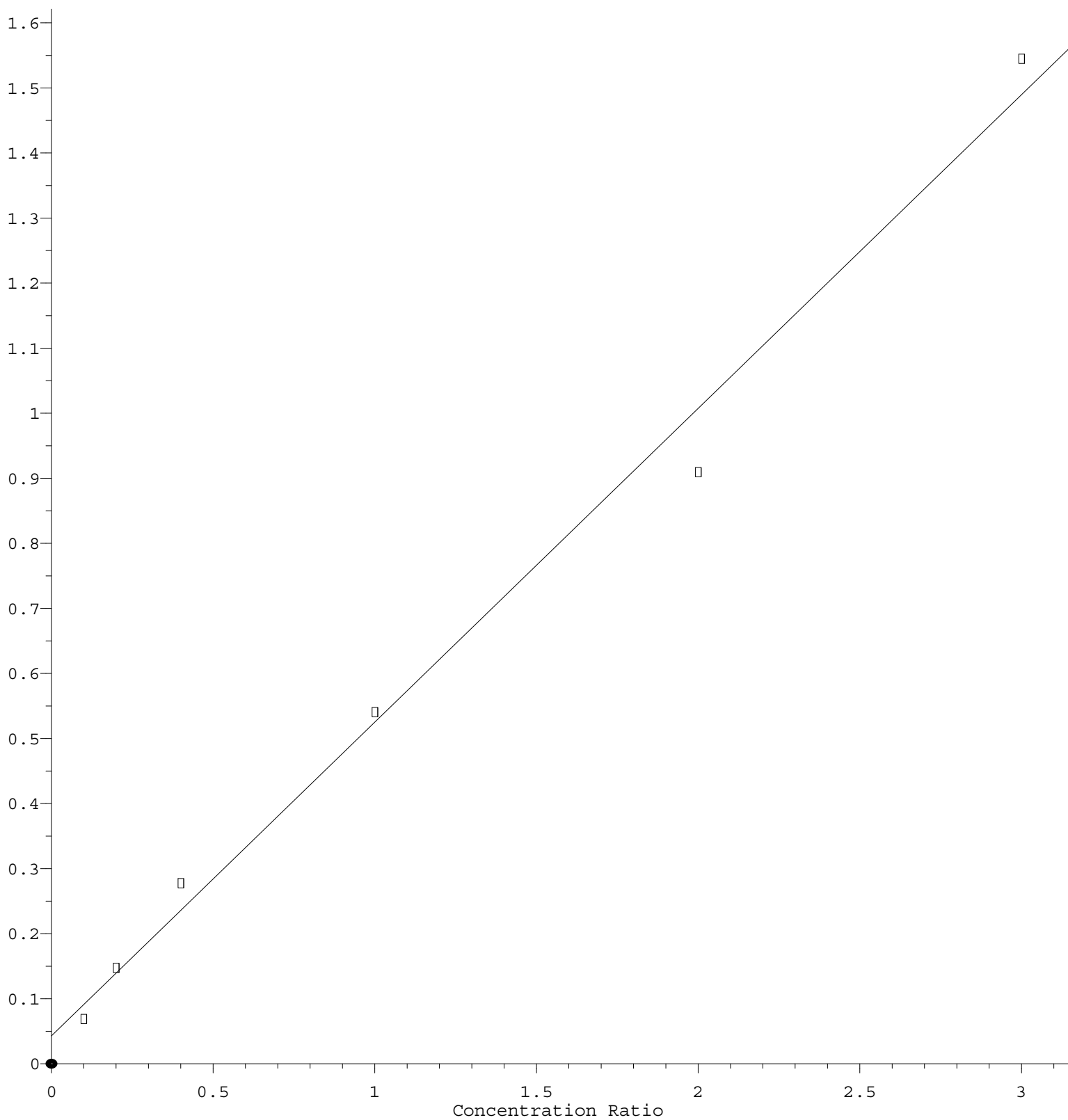
Acrolein



$\text{Response} = 4.541\text{e-}002 * \text{Amt} + 6.155\text{e-}003$
 Coef of Det (r^2) = 0.997828 Curve Fit: Linear
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Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 4.824\text{e-}001 * \text{Amt} + 4.266\text{e-}002$$

Coef of Det (r^2) = 0.990397 Curve Fit: Linear

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